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United States Patent [19]

Abrutyn et al.

[11] **Patent Number:** 4,855,127[45] **Date of Patent:** Aug. 8, 1989[54] **LATTICE-ENTRAPPED COMPOSITION**[75] **Inventors:** Eric S. Abrutyn, Middletown, N.Y.;
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Chromeczek, Litchfield, both of Conn.[73] **Assignee:** Dow Corning Corporation, Midland,
Mich.[21] **Appl. No.:** 53,609[22] **Filed:** May 20, 1987**Related U.S. Application Data**[63] Continuation-in-part of Ser. No. 882,609, Jul. 7, 1986,
abandoned, which is a continuation-in-part of Ser. No.
683,603, Dec. 12, 1984, Pat. No. 4,724,240, which is a
continuation-in-part of Ser. No. 246,663, Mar. 23, 1981,
abandoned.[51] **Int. Cl.⁴** A61K 7/035; A61K 7/40;
A61K 7/42; A61K 9/70[52] **U.S. Cl.** 424/411; 424/59;
424/60; 424/69; 424/78[58] **Field of Search** 424/78, 81, DIG. 10,
424/28[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57]

ABSTRACT

This invention relates to solid compositions wherein a non-cosmetic functional material is entrapped in the lattice of the cross-linked polymer during in situ polymerization of the monomers forming the polymer lattice. The invention provides for conversion of solid and/or liquid products into solid, free-flowing forms by entrapment of the functional materials in a hydrophobic polymer lattice.

14 Claims, 4 Drawing Sheets